

ABSTRACT

The present invention relates to a sinter powder composed of polyamide which also comprises PMMI, PMMA, or copolymers with PMMI, in particular PMMI-PMMA copolymers, to the use of this sinter powder for laser-sintering, and also to moldings produced from this sinter powder. The moldings made from the powder of the invention have marked advantages over conventional products in their appearance and in their surface quality, especially as far as roughness and dimensional stability during selective laser sintering (SLS) are concerned. In addition, moldings produced from the sinter powder of the invention also have better mechanical properties than moldings based on conventional nylon-12 powders, in particular in terms of modulus of elasticity and tensile strength. These moldings also have a density close to that of injection moldings.